

**DAMAGE SURVEY REPORT (DSR)**  
**Emergency Watershed Protection Program – Recovery**

**Section 1A**

Date of Report: 04/08/2006

DSR Number: 103-05-214K Project Number: Chinchuba Reach

**NRCS Entry Only**

Eligible: YES ☒ NO ☐

Approved: YES ☒ NO ☐

Funding Priority Number (from Section 4) 2def

Limited Resource Area: YES ☐ NO ☒

**Section 1B Sponsor Information**

Sponsor Name: City of Mandeville

Address: 1100 Mandeville Blvd.

City/State/Zip: Mandeville, LA 70471

Telephone Number: (985) 624-3169

Fax: (985) 624-3152

**Section 1C Site Location Information**

County: St. Tammany State: LA Congressional District: 01

Latitude: see comments Longitude: see comments Section: 42-45 Township: 8S Range: 11E

UTM Coordinates: 15

Drainage Name: Bayou Chinchuba Reach 4/ Denninger Canal Reach: 14,250 feet

Damage Description: Debris is reducing the capacity of Channel. Drainage is severely impeded. Debris consists mostly trees.

**Section 1D Site Evaluation**

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hurricane Katrina - August 29, 2005
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?***	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Site Defensibility</b>			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Comments: Denninger Lat DS 30.36838 US 30.36836 Bayou Chinchuba Lat DS 30.36791 US 30.36838  
Long DS 90.36838 US 90.11966 Long DS 90.11761 US 90.10820

\* Statutory

\*\* Regulation

\*\*\* DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

### Section 1E Proposed Action

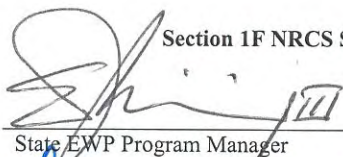
Describe the preferred alternative from Findings: Section 5 A:

Removal of storm debris from channel using conventional methods involving sawyers, cable equipment and Trackhoes. Chip debris and spread outside of the streambed, either side.

Total installation cost identified in this DSR: Section 3: \$                     

### Section 1F NRCS State Office Review and Approval

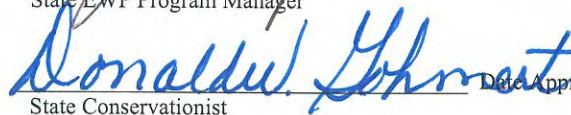
Reviewed By:

  
State EWP Program Manager

Date Reviewed:

8/8/06

Approved By:

  
State Conservationist

Date Approved:

8/9/06

### PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

### USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

### Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

## Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Work within the channel using handwork or amphibious equipment.	Leave debris in stream	Complete removal of debris; access from driest side
		2D Effects of Alternatives		
Soil				
Bank erosion	20 tons/acre	5 tons/acre	20 tons/acre	5 tons/acre
Soil quality	Soil quality reduced	Soil quality improved	Soil quality reduced	Soil quality improved
Water				
Downstream water rights	Will not have to drain Bayou to conduct debris removal.	No Effect	No Effect	No Effect
DO	Low/potential problem	Improved DO	Low /potential problem	Improved DO
BOD	Raised BOD	Lower BOD	Raised BOD	Lower BOD
Petroleum products	attainment	Short-term increase during removal	attainment	Short-term increase during removal
SVAP	SVAP= 6.6 fair	SVAP= 7.0 fair	SVAP = 6.6 fair	SVAP= 7.0 fair
Air				
PM-10	attainment	attainment	attainment	attainment
Plant				
Aquatic health/vigor	Poor	Improved	Poor	Improved
Riparian plants	Excessive debris causing shading and long term damage	Increase sunlight will increase growth	Growth limited	Increase growth
Animal				
Fisheries access	Impaired due to blockage	Restore hydrologic flow regime	Access restricted.	Restore hydrologic flow regime
Bottomland Hardwood Habitat	Wetland Wildlife Habitat Impacted Due to Debris.	Protect existing BLH Habitat by removing downed debris.	BLH continued to be degraded by downed debris.	Protect existing BLH Habitat by removing downed debris.
Other				
Aesthetics	Poor due to clutter	Improved	Poor due to clutter	Improved
Vector Habitat	Mosquito habitat in floodplain due to clutter.	Improve flow will drain areas	Vector habitat will remain	Improve flow

**Section 2E Special Environmental Concerns**

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA permit will be required if work is done in stream.	CWA permit required	No permit required.	CWA permit required
Coastal Zone Management Areas	Located within CZMA	Consistency Authorization Needed if work is to be done.	Water flow patterns altered	Consistency Authorization Needed if work is to be done.
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	(FOTG II) none observed on-site State Level review needed	(FOTG II) none observed on-site State Level Review needed	(FOTG II) none observed on-site	(FOTG II) none observed on-site State Level Review needed
Endangered and Threatened Species	(FOTG II) State level review by project type with USFWS&LDWF; Louisiana quillwort may exist	(FOTG II) State level review by project type with USFWS&LDWF	(FOTG II) No State level review by project type with USFWS&LDWF.	(FOTG II) State level review by project type with USFWS&LDWF
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	(FOTG II) No EFH - Reference With NOAA	(FOTG II) No EFH - Reference With NOAA	(FOTG II) No EFH - Reference With NOAA	(FOTG II) No EFH - Reference With NOAA
Fish and Wildlife Coordination	State level review by project type with USFWS & LDWF; Consultation not required.	State level review by project type with USFWS & LDWF; Consultation required.	State level review by project type with USFWS & LDWF; Consultation not required.	State level review by project type with USFWS & LDWF; Consultation required.
Floodplain Management	Bayou Chinchuba is located within 100-year flood plain. Debris in bayou are increasing flood potential.	100-year floodplain historic range and function restored.	100-year floodplain is increased in size due to debris.	100-year floodplain historic range and function restored.
Invasive Species	Honeysuckle (Lonicera sp.) Privet (Ligustrum sp.)	No significant impact	No significant impact	No significant impact
Migratory Birds	Food&cover quality for dense canopy cover birds reduced.	Food&cover quality improved long term with debris removal.	Food&cover quality impaired due to debris.	Food&cover quality improved.
Natural Areas	(FOTG II) None present	N/A	N/A	N/A
Prime and Unique Farmlands	(FOTG II) None present	N/A	N/A	N/A
Riparian Areas	Riparian habitat impacted by flooding due to debris accumulation.	Riparian habitat improved by debris removal.	Riparian habitat impacted by flooding due to debris accumulation.	Riparian habitat improved by debris removal.
Scenic Beauty	(FOTG II) None present	N/A	N/A	N/A
Wetlands	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impacted.	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not impacted.
Wild and Scenic Rivers	(FOTG II) (LDWF scenic streams list) Chinchuba Bayou listed in project area.	(FOTG II) (LDWF scenic streams list) Chinchuba Bayou listed in project area. Permit required.	(FOTG II) (LDWF scenic streams list) Could potentially degrade downstream area w/ debris	(FOTG II) (LDWF scenic streams list) Chinchuba Bayou listed in project area. Permit required.

Completed By: Kris DavisDate: 04/17/2006

DSR NO: 103-05-214K

**Section 2F Economic**

**This section must be completed by each alternative considered (attach additional sheets as necessary).**

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private):			
2 Homes @ \$900,000	1,800,000.00	25	450,000.00
1 Home @ \$950,000	950,000.00	25	237,500.00
2 Homes @ \$1,000,000	2,000,000.00	25	500,000.00
Properties Protected (Public)			
Sewer Lift Station	100,000.00	25	25,000.00
Sewer Treatment Plant	1,000,000.00	25	250,000.00
Business Losses:			
New Orleans Original Daiquaris	300000	10	30,000.00
Other:			
Total Near Term Damage Reduction \$			1,492,500.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			

Completed By: Kevin Stilley Date: 04/21/2006

**Section 2G Social Consideration This section must be completed by each alternative considered**

(attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in the immediate area but several deaths attributable to the storm occurred in the Parish
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has access to a hospital or medical facility been impaired by watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes - many downed trees blocking access
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Impairment increased flooding impacts throughout the community
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Completed By: Kevin Stilley Date: 04/21/2006

DSR NO: \_\_\_\_\_  
103-05-214K

**Section 2H Group Representation and Disability Information**

**This section is completed only for the preferred alternative selected.**

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	1
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	8
White Male Hispanic	
White Male Non-Hispanic	7
Total Group	16

Census tract(s) Mandeville City, American Fact Finder; US Census Bureau

Completed By: Kevin Stilley Date: 04/21/2006

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Required: Access permission (City of Mandeville); CWA permit (COE); Water Quality Certification (LDEQ); Consistency Authorization (LDNRCMD); Scenic Streams Permit Required (LDWF).

Eight State and/or Federal Species are listed in St. Tammany Parish however, the Louisiana Quillwort is the only species that may occur in this stretch of the Bayou Chinchuba (as indicated on the 'Species of the Conservation Concern' map). (USFWS/LDWF) consultation is required.

Mitigation Description:

Debris will be disposed of on-site outside of streambed area (spread/blown and not piled) on either side. Access areas should be limited to the drier of the two banks to minimize impacts to adjacent riparian areas (wetlands) and to minimize detriment to fish habitat within stream. Action will be completed without interruption.

Some existing, water-logged debris left in the channel is preferred/acceptable. Only dead/new debris is to be removed. No live trees within the stream bed should be cut.

Disturbed areas will be seeded to an approved seed mix (FOTG Sec IV - Critical Area Planting NRCS LA - Standard 342).

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers      City of Mandeville  
LDNRCMD  
LDEQ  
St. Tammany Parish Government  
LDWF - Scenic Streams Permit  
USFWS



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#### Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1 def
2. Is this a site where there is serious, but not immediate threat to human life?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>The following are modifiers for the above criteria</b>			<b>Modifier</b>	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?			d	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?			f	

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

Debris removal will increase flow and conserve/improve unique habitat for the Louisiana quillwort.

DSR NO: 103-05-214K

### Section 5A Findings

**Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):**

The proposed action is the preferred alternative. The proposed action is the least costly alternative that achieves the restoration objectives, maximizes environmental benefits, and is socially acceptable.

*I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:*

☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)  
Chapter 5.2.2.1.2  
Chapter \_\_\_\_\_  
Chapter \_\_\_\_\_  
Chapter \_\_\_\_\_  
Chapter \_\_\_\_\_

\_\_\_\_\_ May require the preparation of an environmental assessment or environmental impact statement.  
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: D. St. Clair

Date: 5/24/06

### Section 5B Comments:

### Section 5C

### Sponsor Concurrence:

### Sponsor Representative

Title: Edward J. [Signature]

Date: 5/24/06

### Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

# TOPO MAP DSR 103-05-214K Bayou Chinchuba Reach 4, Denninger Canal City of Mandeville, St. Tammany Parish

